



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 147086

TO: Nita M Minnifield
Location: rem/3c01/3c18
Art Unit: 1645
Wednesday, March 09, 2005
Case Serial Number: 10/774602

From: Barb O'Bryen
Location: Biotech-Chem Library
Remsen 1A69
Phone: 571-272-2518 *BOB*

barbara.obryen@uspto.gov

Search Notes

RUSH

*Reviewed
3-15-05
MM*

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 8, 2005, 17:36:47 ; Search time 20.0413 Seconds
(without alignments)
93.119 Million cell updates/sec

Title: US-10-774-602-11

Perfect score: 124

Sequence: 1 YERAKNAYQKNAQAVLKAKEASSYD 25

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents_AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	116	93.5	64	3	US-08-416-711-1
2	116	93.5	64	4	US-09-356-497-1
3	96	77.4	23	3	US-08-416-711-2
4	96	77.4	23	4	US-09-356-497-2
5	52	41.9	117	4	US-09-902-540-16285
6	50	40.3	28	1	US-08-303-025-12
7	50	40.3	28	2	US-08-436-703B-1
8	50	40.3	28	1	US-08-152-488-10
9	50	40.3	29	1	US-08-152-488-11
10	50	40.3	29	1	US-08-303-025-10
11	50	40.3	29	1	US-08-303-025-11
12	50	40.3	29	1	US-08-303-025-13
13	50	40.3	29	1	US-08-677-304-10
14	50	40.3	29	1	US-08-677-304-11
15	50	40.3	29	2	US-08-436-703B-3
16	50	40.3	32	2	US-08-436-703B-15
17	50	40.3	32	1	US-08-152-488-13
18	50	40.3	32	1	US-08-303-025-15
19	50	40.3	32	1	US-08-677-304-13
20	50	40.3	32	2	US-08-436-703B-2
21	50	40.3	33	1	US-08-303-025-16
22	50	40.3	33	2	US-08-436-703B-4
23	49	39.5	29	1	US-08-152-488-12
24	49	39.5	29	1	US-08-303-025-14
25	49	39.5	29	1	US-08-677-304-12
26	49	39.5	29	2	US-08-436-703B-16
27	49	39.5	928	4	US-09-134-000C-6590

Sequence 745, App
Sequence 308, App
Sequence 390, App
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 19608, A
Sequence 2, Appli
Sequence 2, Appli
Sequence 11042, A
Sequence 36, Appl
Sequence 7464, Ap
Sequence 8019, Ap
Sequence 32, Appl
Sequence 7010, Ap
Sequence 117, App
Sequence 4752, Ap
Sequence 7225, Ap

28 47.5 38.3 100 4 US-09-732-210-745
29 47.5 38.3 100 4 US-09-711-164-308
30 47.5 38.3 100 4 US-09-492-709A-390
31 47.5 38.3 174 1 US-08-361-825-2
32 47.5 38.3 174 2 US-08-719-124-2
33 47.5 38.3 174 5 PCT-US95-07748A-2
34 47 37.9 393 4 US-09-248-796A-19608
35 46.5 37.5 45 4 US-09-405-743A-2
36 46.5 37.5 45 4 US-09-816-989A-2
37 46.5 37.5 104 4 US-09-489-039A-11042
38 46 37.1 198 4 US-08-529-055-36
39 46 37.1 373 4 US-09-543-681A-7464
40 46 37.1 1129 4 US-09-543-681A-8019
41 46 37.1 8991 4 US-08-714-741-32
42 45 36.3 313 4 US-09-328-352-7010
43 45 36.3 374 4 US-09-265-585C-117
44 45 36.3 730 4 US-09-107-532A-4752
45 44.5 35.9 104 4 US-09-543-681A-7225

ALIGNMENTS

RESULT 1
US-08-416-711-1
; Sequence 1, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; TITLE OF INVENTION: CLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 64 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-416-711-1

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 8, 2005, 17:44:53 ; Search time 56.405 Seconds
(without alignments)
145.840 Million cell updates/sec

Title: US-10-774-602-11

Perfect score: 124

Sequence: 1 YEKAKNAYOKANQAVLKAKEASSYD 25

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1391452 seqs, 329044822 residues

Total number of hits satisfying chosen parameters: 1391452

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
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- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
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- 12: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
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- 15: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
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- 19: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	124	100.0	25	US-10-774-602-11	Sequence 11, Appl
3	116	93.5	64	US-10-294-770-1	Sequence 1, Appl
4	116	93.5	64	US-10-238-741-1	Sequence 1, Appl
5	116	93.5	64	US-10-774-602-1	Sequence 1, Appl
6	96	77.4	23	US-10-294-770-2	Sequence 2, Appl
7	96	77.4	23	US-10-238-741-2	Sequence 2, Appl
8	96	77.4	23	US-10-774-602-2	Sequence 2, Appl
9	51.5	41.5	866	US-10-437-963-203902	Sequence 203902
10	51.5	41.5	1109	US-10-437-963-203905	Sequence 203905
11	50	40.3	79	US-10-177-725-16	Sequence 16, Appl
12	50	40.3	79	US-10-177-725-20	Sequence 20, Appl
13	50	40.3	79	US-10-177-725-66	Sequence 66, Appl

14	50	40.3	79	14	US-10-177-725-70	Sequence 70, Appl
15	50	40.3	79	15	US-10-393-449-16	Sequence 16, Appl
16	50	40.3	79	15	US-10-393-449-20	Sequence 20, Appl
17	50	40.3	79	15	US-10-393-449-66	Sequence 66, Appl
18	50	40.3	79	15	US-10-393-449-70	Sequence 70, Appl
19	50	40.3	1161	15	US-10-282-122A-69440	Sequence 69440, A
20	48.5	39.1	802	16	US-10-282-122A-149821	Sequence 149821, A
21	48.5	39.1	1170	16	US-10-437-963-149705	Sequence 149705, A
22	48.5	39.1	1313	16	US-10-437-963-149939	Sequence 149939, A
23	48.5	39.1	1452	16	US-10-437-963-167910	Sequence 167910, A
24	48.5	39.1	1510	16	US-10-437-963-134639	Sequence 134639, A
25	48.5	39.1	1775	16	US-10-437-963-149750	Sequence 149750, A
26	48.5	39.1	1875	16	US-10-437-963-203247	Sequence 203247, A
27	48.5	39.1	2021	16	US-10-437-963-167916	Sequence 167916, A
28	47.5	38.3	100	9	US-09-741-669-323	Sequence 323, App
29	47.5	38.3	100	9	US-09-912-020-390	Sequence 390, App
30	47.5	38.3	100	9	US-09-815-242-10357	Sequence 10357, A
31	47.5	38.3	100	14	US-10-287-274-308	Sequence 308, App
32	47.5	38.3	100	15	US-10-282-122A-42602	Sequence 42602, A
33	47.5	38.3	503	15	US-10-282-122A-56235	Sequence 56235, A
34	47	37.9	119	15	US-10-282-122A-65457	Sequence 65457, A
35	47	37.9	119	15	US-10-282-122A-65924	Sequence 65924, A
36	46.5	37.5	45	9	US-09-816-989A-2	Sequence 2, Appli
37	46.5	37.5	45	17	US-10-792-311-2	Sequence 2, Appli
38	46.5	37.5	99	15	US-10-282-122A-55646	Sequence 55646, A
39	46.5	37.5	100	9	US-09-815-242-13972	Sequence 13972, A
40	46.5	37.5	100	15	US-10-282-122A-59326	Sequence 59326, A
41	46.5	37.5	100	15	US-10-282-122A-73554	Sequence 73554, A
42	46.5	37.5	100	15	US-10-282-122A-75709	Sequence 75709, A
43	46.5	37.5	482	15	US-10-282-122A-60386	Sequence 60386, A
44	46.5	37.5	626	15	US-10-282-122A-71772	Sequence 71772, A
45	46.5	37.5	679	16	US-10-437-963-180858	Sequence 180858, A

ALIGNMENTS

RESULT 1
US-10-294-770-11
; Sequence 11, Application US/10294/770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUIHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294, 770
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-294-770-11

Query Match 100.0%; Score 124; DB 14; Length 25;
Best Local Similarity 100.0%; Pred. No. 2.6e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 YEKAKNAYOKANQAVLKAKEASSYD 25
Db 1 YEKAKNAYOKANQAVLKAKEASSYD 25

RESULT 2

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 8, 2005, 17:36:47 ; Search time 21.6446 Seconds
(without alignments) 93.119 Million cell updates/sec

Title: US-10-774-602-12

Perfect score: 150

Sequence: 1 AKEASSYDYLWGFEFGGVPHEKKEEN 27

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*

2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*

3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*

4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*

5: /cgn2_6/ptodata/1/iaa/PTCUS_COMB.pep.*

6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

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SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	150	100.0	27	3	US-08-416-711-3
2	150	100.0	27	4	US-09-356-497-3
3	150	100.0	64	3	US-08-416-711-1
4	150	100.0	64	4	US-09-356-497-1
5	50.5	33.7	597	4	US-09-252-991A-32073
6	49	32.7	490	4	US-08-292-225-41
7	49	32.7	509	4	US-08-292-225-35
8	49	32.7	509	4	US-08-292-225-38
9	48	32.0	306	4	US-09-386-642-53
10	48	32.0	319	4	US-09-386-642-12
11	48	32.0	560	4	US-09-252-991A-22343
12	48	32.0	671	4	US-08-252-991A-19016
13	47.5	31.7	588	4	US-08-710-279-3328
14	47.5	31.7	593	3	US-08-134-001C-3592
15	47	31.3	168	4	US-09-543-681A-6335
16	47	31.3	416	3	US-09-100-664A-9
17	47	31.3	416	4	US-09-335-983-9
18	47	31.3	416	4	US-08-553-867A-9
19	47	31.3	416	4	US-08-553-867A-16
20	47	31.3	416	4	US-09-553-867A-18
21	47	31.3	416	4	US-09-472-112-1
22	47	31.3	416	4	US-09-252-991A-18079
23	47	31.3	416	4	US-09-538-092-1157
24	47	31.3	417	4	US-09-949-016-10920
25	47	31.3	475	4	US-09-270-767-45524
26	47	31.3	947	4	US-09-252-991A-21398
27	47	31.3	1390	2	US-08-770-544-2

Sequence 2, Appli
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Sequence 22248, A
Sequence 60833, A
Sequence 67, Appl
Sequence 67, Appl
Sequence 4, Appli
Sequence 4, Appli
Sequence 4654, Ap
Sequence 188, App
Sequence 797, App
Sequence 750, App
Sequence 21, Appl
Sequence 15, Appl
Sequence 6086, Ap
Sequence 4524, Ap
Sequence 101, App

ALIGNMENTS

RESULT 1
US-08-416-711-3
; Sequence 3, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; APPLICANT: OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-416-711-3

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 8, 2005, 17:44:53 ; Search time 60.9174 Seconds
(without alignments)
145.840 Million cell updates/sec

Title: US-10-774-602-12

Perfect score: 150

Sequence: 1 AKEASSYDYLWFGGVPHEKKEN 27

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1391452 seqs, 329044822 residues

Total number of hits satisfying chosen parameters: 1391452

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	150	100.0	27	14	US-10-294-770-3
2	150	100.0	27	14	US-10-294-770-12
3	150	100.0	27	15	US-10-238-741-3
4	150	100.0	27	16	US-10-774-602-3
5	150	100.0	27	16	US-10-774-602-12
6	150	100.0	64	14	US-10-294-770-1
7	150	100.0	64	15	US-10-238-741-1
8	150	100.0	64	16	US-10-774-602-1
9	58	38.7	596	15	US-10-282-122A-51159
10	58	38.7	599	15	US-10-282-122A-49798
11	58	38.7	600	15	US-10-282-122A-48020
12	58	38.7	600	15	US-10-282-122A-50005
13	57	38.0	382	14	US-10-210-115-33

14	57	38.0	382	15	US-10-369-493-691	Sequence 691, App
15	57	38.0	382	15	US-10-282-122A-43296	Sequence 43296, A
16	55	36.7	247	15	US-10-335-977-4888	Sequence 4888, Ap
17	55	36.7	479	9	US-09-881-752A-14	Sequence 14, Appl
18	55	36.7	479	15	US-10-335-977-4890	Sequence 4890, Ap
19	55	36.7	486	15	US-10-335-977-4891	Sequence 4891, Ap
20	54	36.0	432	16	US-10-437-963-125350	Sequence 125350, A
21	52.5	35.0	86	16	US-10-767-701-51357	Sequence 51357, A
22	52.5	35.0	111	14	US-10-091-300-35	Sequence 35, Appl
23	52.5	35.0	111	14	US-10-091-300-51	Sequence 51, Appl
24	52.5	35.0	594	15	US-10-282-122A-65359	Sequence 65359, A
25	52.5	35.0	602	15	US-10-282-122A-66049	Sequence 66049, A
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27	52	34.7	858	15	US-10-369-493-5537	Sequence 5537, Ap
28	52	34.7	269	9	US-09-888-721-36	Sequence 36, Appl
29	51.5	34.3	282	9	US-09-888-721-38	Sequence 38, Appl
30	51.5	34.3	287	9	US-09-888-721-40	Sequence 40, Appl
31	51.5	34.3	291	9	US-09-888-721-44	Sequence 44, Appl
32	51.5	34.3	296	9	US-09-888-721-42	Sequence 42, Appl
33	51.5	34.3	66	16	US-10-437-963-106497	Sequence 106497, A
34	51	34.0	263	14	US-10-156-761-9233	Sequence 9233, Ap
35	51	34.0	404	16	US-10-437-963-103597	Sequence 103597, A
36	51	34.0	588	9	US-09-815-242-12816	Sequence 12816, A
37	51	34.0	588	15	US-10-282-122A-44049	Sequence 44049, A
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39	50.5	33.7	59	15	US-10-424-599-254448	Sequence 254448, A
40	50.5	33.7	174	15	US-10-335-977-7134	Sequence 7134, Ap
41	50.5	33.7	238	10	US-09-880-748-2067	Sequence 2067, Ap
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ALIGNMENTS

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; Sequence 3, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 23075950CIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Plasmodium falciparum
US-10-294-770-3

Query Match 100.0%; Score 150; DB 14; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.4e-14;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 AKEASSYDYLWFGGVPHEKKEN 27
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RESULT 2
US-10-294-770-12
; Sequence 12, Application US/10294770

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 8, 2005, 17:36:47 ; Search time 22.4463 Seconds
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Title: US-10-774-602-13

Perfect score: 147

Sequence: 1 PEHKKENMLSHLYVSSKDKENISKEND 28

Scoring table: BLOSUM62

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Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	58	39.5	121	4	US-09-270-767-35885
6	58	39.5	121	4	US-09-270-767-51102
7	48.5	33.0	189	4	US-09-710-279-2692
8	48.5	33.0	652	1	US-08-261-663A-6
9	48.5	33.0	652	3	US-09-357-206A-5
10	48.5	33.0	652	4	US-09-813-742A-5
11	48.5	33.0	652	5	PCT-US95-07754A-6
12	48.5	33.0	746	3	US-09-134-001C-3214
13	48	32.7	87	4	US-09-107-433-4959
14	47.5	32.3	68	4	US-09-621-976-7228
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17	47.5	32.3	72	4	US-09-248-796A-17147
18	47.5	32.3	128	4	US-09-513-999C-7954
19	47.5	32.3	128	4	US-09-513-999C-7955
20	47.5	32.3	404	4	US-09-710-279-398
21	47.5	32.3	644	4	US-09-710-279-1436
22	47.5	32.3	889	1	US-08-118-101A-4
23	47.5	32.3	1073	3	US-09-541-782-6
24	47.5	32.3	1073	4	US-09-723-820-6
25	47.5	32.3	1073	4	US-10-270-085-6
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28	47	32.0	534	4	US-09-508-370A-5	Sequence 5, Appli
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32	46	31.3	136	4	US-09-270-767-32376	Sequence 32376, A
33	46	31.3	136	4	US-09-270-767-47593	Sequence 47593, A
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36	46	31.3	885	4	US-09-538-092-1319	Sequence 1319, Ap
37	45.5	31.0	239	4	US-09-513-783A-50	Sequence 50, Appl
38	45.5	31.0	239	4	US-09-430-656-50	Sequence 50, Appl
39	45.5	31.0	514	4	US-09-198-452A-214	Sequence 214, App
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ALIGNMENTS

RESULT 1

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; Sequence 4, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; APPLICANT: OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-416-711-4

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OM protein - protein search, using sw model

Run on: March 8, 2005, 17:44:53 ; Search time 63.1736 Seconds
(without alignments)
145.840 Million cell updates/sec

Title: US-10-774-602-13

Perfect score: 147

Sequence: 1 PEHKKEENMLSHLYVSSKOKENISKEND 28

Scoring table: BLOSUM62

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Total number of hits satisfying chosen parameters: 1391452

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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6	143	97.3	64	14 US-10-294-770-1	Sequence 1, Appl
7	143	97.3	64	15 US-10-238-741-1	Sequence 1, Appl
8	143	97.3	64	16 US-10-774-602-1	Sequence 1, Appl
9	101	68.7	41	14 US-10-294-770-14	Sequence 14, Appl
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13	53	36.1	426	9 US-09-731-872-310	Sequence 310, App

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15	53	36.1	426	10	US-09-876-997-310	Sequence 310, App
16	53	36.1	426	10	US-09-876-997-317	Sequence 317, App
17	53	36.1	426	16	US-10-655-601-5	Sequence 5, Appl
18	53	36.1	481	9	US-09-731-872-415	Sequence 415, App
19	53	36.1	481	10	US-09-876-997-415	Sequence 415, App
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21	52.5	35.7	654	15	US-10-425-114-65105	Sequence 65105, A
22	52	35.4	81	15	US-10-424-599-150366	Sequence 150366,
23	52	35.4	443	15	US-10-282-122A-48757	Sequence 48757, A
24	52	35.4	749	15	US-10-369-493-21933	Sequence 21933, A
25	51.5	35.0	1182	15	US-10-282-132A-53445	Sequence 53445, A
26	51	34.7	98	16	US-10-437-963-159924	Sequence 159924,
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32	51	34.7	1441	16	US-10-437-963-159919	Sequence 159919,
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ALIGNMENTS

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; Publication NO. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759US0CIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-294-770-13

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Best Local Similarity 100.0%; Pred. No. 2e-12;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PEHKKEENMLSHLYVSSKOKENISKEND 28

Db 1 PEHKKEENMLSHLYVSSKOKENISKEND 28

RESULT 2

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 8, 2005, 17:36:47 ; Search time 32.8678 Seconds
(without alignments)
93.119 Million cell updates/sec

Title: US-10-774-602-14
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Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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SUMMARIES

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6	82	40.2	3135	US-08-954-441-2	Sequence 2, Appli
7	79	38.7	714	US-08-990-114-3	Sequence 3, Appli
8	79	38.7	714	US-09-241-333-3	Sequence 3, Appli
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13	76	37.3	905	US-08-357-014-9	Sequence 9, Appli
14	76	37.3	1135	US-08-574-959A-7	Sequence 7, Appli
15	76	37.3	1135	US-08-357-014-7	Sequence 7, Appli
16	76	37.3	2375	US-09-538-092-1131	Sequence 1131, Ap
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21	75	36.8	739	US-09-022-983-2	Sequence 2, Appli
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23	74	36.3	1016	US-09-949-016-11018	Sequence 11018, A
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35 71.5 35.0 1312 3 US-09-345-882-29 Sequence 29, Appli
36 71 34.8 208 4 US-09-214-881A-11 Sequence 11, Appli
37 71 34.8 414 4 US-09-270-767-41485 Sequence 41485, A
38 71 34.8 568 4 US-09-949-016-10896 Sequence 10896, A
39 71 34.8 587 4 US-09-538-092-1130 Sequence 1130, Ap
40 71 34.8 1753 4 US-09-248-796A-19154 Sequence 19154, A
41 70 34.3 66 4 US-09-621-976-5084 Sequence 5084, Ap
42 70 34.3 77 4 US-09-621-976-7521 Sequence 7521, Ap
43 70 34.3 110 4 US-09-485-193-2 Sequence 2, Appli
44 70 34.3 116 4 US-09-270-767-36280 Sequence 36280, A
45 70 34.3 116 4 US-09-270-767-51497 Sequence 51497, A

ALIGNMENTS

RESULT 1
US-08-416-711-4
; Sequence 4, Application US/08416711
; Patent No. 6017538
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; APPLICANT: BOUHAROUN-TAYOUN, HASNAQ
; APPLICANT: OEUVRAY, CLAUDE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING
; TITLE OF INVENTION: PROTECTIVE ANTIBODIES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/416,711
; FILING DATE: 08-AUG-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/01024
; FILING DATE: 18-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/12488
; FILING DATE: 19-OCT-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 660-085-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-416-711-4

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 8, 2005, 17:44:53 ; Search time 92.5041 Seconds
(without alignments)
145.840 Million cell updates/sec

Title: US-10-774-602-14

Perfect score: 204

Sequence: 1 MLSHLYSSKDKENISKEND.....VLDEKERAEETEELEEK 41

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1391452 seqs, 329044822 residues

Total number of hits satisfying chosen parameters: 1391452

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	204	100.0	41	Sequence 14, Appl
3	101	49.5	28	US-10-774-602-14
4	101	49.5	28	Sequence 13, Appl
5	97	47.5	28	US-10-774-602-13
6	97	47.5	28	US-10-294-770-4
7	97	47.5	28	US-10-238-741-4
8	97	47.5	28	US-10-774-602-4
9	97	47.5	64	US-10-294-770-1
10	97	47.5	64	US-10-238-741-1
11	87	42.6	1077	US-10-774-602-1
12	87	42.6	1077	US-10-099-322-110
13	83	40.7	197	US-10-044-564-110
				Sequence 110, Appl
				Sequence 51, Appl

14	83	40.7	197	13	US-10-101-487-114	Sequence 114, App
15	80	39.2	161	16	US-10-437-963-108765	Sequence 108765,
16	79	38.7	114	9	US-09-864-761-36168	Sequence 36168, A
17	79	38.7	181	13	US-10-101-487-45	Sequence 45, Appl
18	79	38.7	714	9	US-09-978-242-3	Sequence 3, Appli
19	79	38.7	741	15	US-10-282-122A-65999	Sequence 65999, A
20	78	38.2	89	9	US-09-864-761-44120	Sequence 44120, A
21	78	38.2	117	9	US-09-864-761-45592	Sequence 45592, A
22	78	38.2	225	14	US-10-029-386-32045	Sequence 32045, A
23	78	38.2	406	16	US-10-437-963-115969	Sequence 115969,
24	77	37.7	186	13	US-10-101-487-44	Sequence 44, Appl
25	77	37.7	198	13	US-10-101-487-53	Sequence 42, Appl
26	77	37.7	200	13	US-10-101-487-53	Sequence 53, Appl
27	76.5	37.5	97	14	US-10-029-386-33853	Sequence 33853, A
28	76.5	37.5	1104	15	US-10-104-047-2506	Sequence 114, App
29	76.5	37.5	1125	9	US-09-974-298-114	Sequence 114, App
30	76.5	37.5	1125	13	US-10-087-192-234	Sequence 234, App
31	76.5	37.5	1154	14	US-10-232-561-10	Sequence 10, Appl
32	76	37.3	179	13	US-10-101-487-107	Sequence 107, App
33	76	37.3	983	15	US-10-112-944-435	Sequence 435, App
34	76	37.3	1021	16	US-10-408-765A-313	Sequence 313, App
35	76	37.3	1641	16	US-10-408-765A-814	Sequence 814, App
36	76	37.3	1641	16	US-10-408-765A-815	Sequence 815, App
37	76	37.3	2375	16	US-10-408-765A-277	Sequence 277, App
38	76	37.3	2492	16	US-10-697-526-2	Sequence 2, Appli
39	75.5	37.0	319	15	US-10-425-114-4044	Sequence 4044, A
40	75.5	37.0	1257	16	US-10-408-765A-1486	Sequence 1486, Ap
41	75	36.8	59	14	US-10-029-386-32735	Sequence 32735, A
42	75	36.8	214	9	US-09-214-881A-5	Sequence 5, Appli
43	75	36.8	1081	16	US-10-408-765A-298	Sequence 298, App
44	75	36.8	1251	15	US-10-112-944-881	Sequence 881, App
45	75	36.8	1270	16	US-10-408-765A-2253	Sequence 2253, Ap

ALIGNMENTS

RESULT 1
US-10-294-770-14
; Sequence 14, Application US/10294770
; Publication No. US20030161840A1
; GENERAL INFORMATION:
; APPLICANT: DRUILHE, PIERRE
; TITLE OF INVENTION: PLASMODIUM FALCIPARUM ANTIGENS INDUCING PROTECTIVE ANTIBODIES
; FILE REFERENCE: 230759USOCIP
; CURRENT APPLICATION NUMBER: US/10/294,770
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US 09/356,947
; PRIOR FILING DATE: 1999-07-19
; PRIOR APPLICATION NUMBER: US 08/416,711
; PRIOR FILING DATE: 1995-08-08
; PRIOR APPLICATION NUMBER: PCT/FR93/01024
; PRIOR FILING DATE: 1993-10-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Peptide
US-10-294-770-14

Query Match 100.0%; Score 204; DB 14; Length 41;
Best Local Similarity 100.0%; Pred. No. 8.6e-13;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MLSHLYSSKDKENISKENDVLDKEKEAEETEELEEK 41

RESULT 2